PAT-NO: JP363169848A

DOCUMENT-IDENTIFIER: JP 63169848 A

TITLE: DATA TERMINAL ACCOMMODATION SYSTEM IN DIGITAL
DATA
                       COMMUNICATION

PUBN-DATE: July 13, 1988

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APPL-NO: JP62001261

APPL-DATE: January 7, 1987

INT-CL (IPC): H04L011/02, H04L001/12 , H04L013/00

US-CL-CURRENT: 714/758

ABSTRACT:

    PURPOSE: To confirm the presence of an error of a transmission
data at the
sender side by multiplexing and communicating an error check code
calculated in
a line terminator and an **error detection** result to a reception data
with a data
signal between line terminators through a data communication line so
as to
detect and display an error.

    CONSTITUTION: A line terminator 13 is installed to a data terminal
equipment
15 between a digital exchange 14 and the data terminal equipment 15
and
consists of a terminal interface section 1, a channel 2, an exchange
interface

section 3 and a control section 4. A data signal from the terminal interface
section 1 is subject to error check code calculation from the data signal by an
error check circuit 8 of the channel section 2, the error detection result to
the reception data and the error check code are combined and multiplexed with
the data signal and sent to the exchange via the exchange interface section 3.
A signal from the exchange is given to the error check circuit 8 where error
detection and correction is applied to the data signal and the error detection
state is sent to an opposite station conversely. The error detection signal
from the opposite station and the error detection state of the reception data
are displayed on a display section 12 of the control section 4.